

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in this application.

**Listing of Claims:**

1 (Currently Amended). Method for adjusting a fusing device (100) of a digital printing machine, comprising the steps of:

providing microwave signals of a specific frequency range directed at a printing material (5), with an applicator (8) of a measuring device (20) being pre-heated for feed-through of the printing material (5) such that a change between the microwave signals reflected by the printing material (5) and the emitted microwave signals is detected, using the microwave signals reflected by the printing material (5) to determine the humidity of the printing material (5), and wherein the microwave signals reflected by the printing material (5) are used to determine the type of printing material (5), specifically its mass in weight per unit area (Grams per Square Meter=GSM), and adjusting the fusing device (100) based on the change of said microwave signals.

2 – 5 (Cancelled).

6 (Currently Amended). Method as in Claim ~~5~~ 1, wherein toner is fused to the printing material (5) in the fusing device (100), a sensor (15) measures the temperature of the printing material (5), and-the fusing result based on the sensor's measurement is evaluated.

7 – 10 (Cancelled).